Unit 1 Math Review Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. 3, 648, 217

Which number is in the ten thousands place? \_\_\_\_\_\_\_\_\_\_\_\_

Which number is in the hundreds place? \_\_\_\_\_\_\_\_\_\_\_\_

Which number is in the millions place? \_\_\_\_\_\_\_\_\_\_\_

2. Draw all possible rectangular arrays for the number 10. Label each array with a number model.

3. Identify all factor pairs for the number 24. (Make a factor rainbow to be sure to include them all.)

4. Which of the following numbers are prime numbers?

1 2 3 4 5 6 7 8 9 10 11 12

5. Write the prime factorization (the longest number string) for each number. (Make a factor tree to be sure you include them all.)

28 27

28 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 27 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rewrite each product using exponential notation.

28 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 27 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_